

Amendments to the Claims

This listing of claims will replace all prior versions and listings of claims in the application.

Listing of Claims

Claims 1 and 2 (cancelled)

Claim 3. (currently amended) The optical data storage drive ~~driving~~ device as set forth in claim ± 16, wherein said optical data storage drive ~~driving~~ device is of stand-alone type.

Claim 4. (currently amended) The optical data storage ~~driving~~ drive device as set forth in claim ± 16, wherein said optical data storage drive ~~driving~~ device is of portable type.

Claim 5. (currently amended) The optical data storage drive ~~driving~~ device as set forth in claim ± 16, wherein said optical data storage drive ~~driving~~ device can be built-in to a personal computer or externally connected thereto.

Claim 6. (currently amended) The optical data storage drive ~~driving~~ device as set forth in claim ± 16, wherein

said built-in/external device can be a video/audio signal providing device and a video/audio signal player including television, projector, plasma display panel, liquid crystal display and monitor of a personal computer.

Claim 7. (currently amended) The optical data storage drive driving device as set forth claim ± 16, wherein said optical storage device includes one of including CD-ROM, CD-R, CD-RW, DVD-ROM, DVD-R, DVD-RW, DVD+R, DVD+RW and DVD-RAM servers.

Claim 8. (currently amended) The optical data storage drive driving device as set forth in claim ± 16, wherein said status display includes one of vacuum fluorescent display (VFD) and liquid crystal display (LCD).

Claim 9. (currently amended) The optical data storage drive driving device as set forth in claim ± 16, wherein said display is used to display the mode selection, adjustment controlling, and status indicator of said functions.

Claim 10. (currently amended) The optical data storage drive driving device as set forth in claim ± 16, wherein

said personal computer includes one of a desktop computer, notebook computer, tablet computer and Macintosh computer.

Claim 11. (currently amended) The optical data storage drive driving device as set forth in claim 5 16, wherein said personal computer includes one of a desktop computer, notebook computer, tablet computer and Macintosh computer.

Claim 12. (currently amended) The optical data storage drive driving device as set forth in claim 2 16, wherein said standard interface can be one of the ATAPI-IDE, the serial ATA or SCSI, the USB 1.1/2.0 built-in or externally connected to a personal computer and a IEEE 1394 standard interface.

Claim 13. (currently amended) The optical data storage drive driving device as set forth in claim 2 16, wherein said power-on detector is used to detect the voltage on the power supply unit of a personal computer or to detect the computer host reset signal (HRST) on the connecting bus between said personal computer and said panel controller so as to confirm the on status of the power supply.

Claim 14. (currently amended) The optical data storage

drive driving device as set forth in claim ± 16, further comprising a connecting device equipped with a power connector, a CD analogue audio output connector and a ~~Sony-Phillips~~ digital interface (~~SPDIF~~) output connector, while said connecting device has a dominating bus and an input/output bus so as to increase the expandability of said optical data storage drive driving device.

Claim 15. (currently amended) The optical storage driving device as set forth in claim ± 16, wherein said optical data storage drive driving device is powered by DC or AC power supply.

Claim 16. (new) An optical data storage drive device for multimedia audio/video system having a CD driver, a picture viewer, a DVD driver, a digital video recorder (DVR), a FM radio and a MP3 music CD monolithically integrated in a single device, comprising:

a video/audio input/output selector for inputting video/audio signals and for outputting video/audio signals to an external device;

a video/audio encoder/decoder for encoding input video/audio signal before storing and for decoding stored video/audio signal before outputting to said external

device through said video/audio input/output selector;

a microprocessor for controlling the operation of said optical data storage drive device in accordance with a key-in or pre-stored instruction and the read/write of the BIOS data of an external personal computer;

an optical storage device for storing the encoded video/audio signal and data coming from said microprocessor through a bus switch;

a memory card reader for reading/writing the encoded video/audio signal and data from said microprocessor;

a status display for displaying the operation status of said memory card reader, said personal computer and said optical data storage device and controlled by a display controller connected to said microprocessor;

a power amplifier, connected to said video/audio encoder/decoder for amplifying said input signal and decoded output audio signal;

a speaker connected to said power amplifier for outputting said amplified audio signal; and

a power-on detector connected to a power supply of said external personal computer and said microprocessor, the power-on detector detects the power-on status of said external personal computer and signals said microprocessor to control said bus switch to release the standard interface between said external personal

computer and said optical data storage drive device so as to operate without the power supply of said external personal computer when the external personal computer is off, whereas when said external computer power-on status is detected, said microprocessor controls said bus switch to resume the function of said standard interface so as to operate said optical data storage drive device through the power supply of said external personal computer.